

(Use several sheets if necessary)

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**Application Number**  
**10/807,941**

**Applicant**  
**Yoram Rudy**

Filing Date  
March 24, 2004

Group Art Unit  
3736

## U.S. PATENT DOCUMENTS

[illegible]

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO

## OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages Etc.)

		OTHER DOCUMENTS	
EXAMINER	/George Evanisko/ (12/24/2006)	DATE CONSIDERED	

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

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Subst. Form PTO-1449

Atty. Docket No.: CWR 2 0247 -

Serial No.: 09/463,427

APPLICANT'S INFORMATION  
DISCLOSURE STATEMENT

MAR 19 2001

Applicant(s): Yoram Rudy

Filing Date: March 29, 2000

Group: 3736

## U.S. PATENT DOCUMENTS

Initial*		Document No.	Date	Name	Class	Subcl.	Filing Date
GE	✓	AA 5,568,809	29 Oct 1996	Ben-haim			12 Jul 1995
GE	✓	AB 5,553,611	10 Sep 1996	Budd et al.			20 Jan 1995
GE	✓	AC 5,487,391	30 Jan 1996	Panescu			28 Jan 1994
GE	✓	AD 5,433,198	18 Jul 1995	Desai			11 Mar 1993
GE	✓	AE 5,297,549	29 Mar 1994	Beatty et al.			23 Sep 1992
GE	✓	AF 4,649,924	17 Mar 1987	Taccardi			08 Jul 1985

## FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Subcl.	Translation?
		AG					

## OTHER ART

GE	✓	AH	Khoury DS, B. Taccardi, Lux RUL, Ershler PR, Rudy Y., "Reconstruction of endocardial potentials and activation sequences from intracavitary probe measurements". <u>Circulation</u> 1995; 91:845-863.				
GE	✓	AI	Rudy Y, Messinger-Rapport BJ, "The inverse problem in electrocardiography solutions in terms of epicardial potentials." <u>CRC Crit Rev Biomed Eng.</u> 16:215-268 (1988).				
GE	✓	AJ	Rudy Y, Oster HS, "The electrocardiographic inverse problem," <u>CRC Crit Rev Biomed Eng.</u> 20:25-46 (1992).				
GE	✓	AK	Messinger-Rapport BJ, Rudy Y, "Computational issues of importance to the inverse recovery of epicardial potentials in a realistic heart-torso geometry," <u>Math Biosci.</u> 97:85-120 (1989) (published erratum in <u>Math Biosci.</u> 99(1):177 (1990 April)).				
GE	✓	AL	Oster HS, Rudy Y, "The use of temporal information in the regularization of the inverse problem of electrocardiography," <u>IEEE Trans Biomed Eng.</u> 39:65-75 (1992).				
GE	✓	AM	Messinger, Rapport BJ, Rudy Y, "Regularization of the inverse problem in electrocardiography. A model study," <u>Math Biosci.</u> 89:79-118 (1988).				
GE	✓	AN	Colli-Franzone P., Guerri L., Taccardi B., Viganotti C., "Finite element approximation of regularized solutions of the inverse potential problem of electrocardiography and applications to experimental data", <u>Calcolo</u> 1985, 22:91-186				
GE	✓	AO	Colli-Franzone P., Guerri L., Taccardi B., Viganotti C., "Mathematical procedure for solving the inverse problem of electrocardiography," <u>Math Biosci.</u> 77:353-96 (1985).				
NO DATA	✓	AP	Endocardial Solutions Brochure, "Advanced Diagnostic Solutions for Complex Cardiac Arrhythmias"				

Examiner: *Evanisko*

Date Considered: 10/2/01

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if in conformance and not considered. Include copy of this form with next communication to applicant.

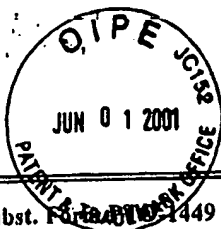
/George Evanisko/ (12/24/2006)

Subst. Form PTO-1449		Atty. Docket No.: CWR 2 0247		Serial No.: 09/463,427	
APPLICANT'S(S) INFORMATION DISCLOSURE STATEMENT MAR 19 2001 U.S. PATENT & TRADEMARK OFFICE		Applicant(s): Yoram Rudy			
		Filing Date: March 29, 2000		Group: 3736	
<b>U.S. PATENT DOCUMENTS</b>					
Initial*		Document No.	Date	Name	Filing Date
	BA				
	BB				
	BC				
	BD				
<b>FOREIGN PATENT DOCUMENTS</b>					
		Document No.	Date	Country	Translation?
	BE				
<b>OTHER ART</b>					
GE	BF	Liu ZW, Jia P., Ershler PR, Taccardi B., Lux RL, Khoury, DS, Rudy Y., "Noncontact Endocardial Mapping: Reconstruction of Electrograms and Isochrones From Interacavitary Probe Potentials". <u>Journal of Cardiovascular Electrophysiology</u> , 1997; 8:415-431.			
GE	BG	Jia P., "Noncontact catheter for electrophysiological cardia mapping", Case Western Reserve University, Department of Biomedical Engineering, January 1998.			
GE	BH	Liu ZW, "Inverse reconstruction of endocardial potentials, electrograms and activation sequences from intracavitary probe potential measurements", Case Western Reserve University, Department of Biomedical Engineering, August 1996.			
	BI				
	BJ				
	BK				
	BL				
	BM				
	BN				
	BO				
	BP				
Examiner: <i>Evanisko</i>				Date Considered: 2/6/1	
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Subst. Form 1449

Atty. Docket No.: CWR 2 0247

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DISCLOSURE STATEMENT

Applicant(s): Yoram Rudy

JUN 05 2001

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TECHNOLOGY CENTER R3700  
Group: 3736

## U.S. PATENT DOCUMENTS

Initial*		Document No.	Date	Name	Class	Subcl.	Filing Date
GE	✓	AA 4,203,451	20 May 1980	Panico			17 Mar 1978
	✓	AB 4,535,783	20 Aug 1985	Marangoni			01 Aug 1983
	✓	AC 4,805,631	21 Feb 1989	Roi du Maroc, II			09 Apr 1986
	✓	AD 4,991,580	12 Feb 1991	Moore			30 Mar 1989
	✓	AE 4,991,587	12 Feb 1991	Blakeley et al.			21 Nov 1989
	✓	AF 5,020,540	04 Jun 1991	Chamoun			22 Aug 1989
	✓	AG 5,042,499	27 Aug 1991	Frank et al.			02 Aug 1990
	✓	AH 5,086,776	11 Feb 1992	Fowler, Jr. et al.			06 Mar 1990
	✓	AI 5,161,539	10 Nov 1992	Evans et al.			09 May 1991
	✓	AJ 5,311,873	17 May 1994	Savard et al.			28 Aug 1992
	✓	AK 5,483,968	16 Jan 1996	Adam et al.			21 May 1992
GE	✓	AL 5,503,149	02 Apr 1996	Beavin			27 Dec 1993
		AM					

## FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Subcl.	Translation?
		AN					

## OTHER ART

GE	✓	AO	Rudy Y, Taccardi B, "Noninvasive Imaging and Catheter Imaging of Potentials, Electrograms, and Isochrones on the Ventricular Surfaces, <u>Journal of Electrocardiology</u> , Vol. 30 Supplement, (1998) pgs. 19-23				
GE	✓	AP	Oster HS, Rudy Y, "Regional Regularization of the Electrocardiographic Inverse Problem: A Model Study Using Spherical Geometry", <u>IEEE Transactions on Biomedical Engineering</u> , Vol. 44, No. 2, February 1997, pgs. 188-199.				
GE	✓	AR	Burnes JE, Kaelber DC, Taccardi B, Lux RL, Ershler PH, Rudy Y, "A field-Compatible Method For Interpolating Biopotentials", <u>Annals of Biomedical Engineering</u> , Vol. 26, pp. 37-47, 1998.				

Examiner:

Evanisko

Date Considered:

6/2/01

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/George Evanisko/ (12/24/2006)